# Attachment 1

Species Considered for Inclusion in the MSCS but Not Evaluated



**MSCS User Guide:** This is a list of special-status species known to occur or with potential to occur in the MSCS focus area (i.e., the ERP's 14 Ecological Zones and 12 potential reservoir sites) that were considered but not included in the MSCS because they:

- have no legal protection under federal or California Endangered Species Acts (ESA) or other California Fish and Game Code sections, and are not likely to become federally or California listed as threatened or endangered during the term of CALFED implementation, and
- would not be substantially affected by CALFED actions, or are not rare or limited in distribution.

Additionally, species were not included in the MSCS if there was not enough information on the species' biology to determine effects of CALFED actions and the species had no legal protection.

						Potential Effects of CALFED Actions on Species <sup>3</sup>			
Type <sup>1</sup>	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species	
			Federal	State	Other				
M	American badger	Taxidea taxus		CSC	-	X			
M	Berkeley kangaroo rat	Dipodomys beermanni berkeleyensis	-	-	SC		X2		
M	California red tree vole	Phenacomys longicaudus	-	CSC	SC		X2		
М	Fringed myotis	Myotis thysanodes		-	SC	X			
M	Hoary bat	Laiurus cinereus	-	CSC	-		X1		
M	Long-eared myotis	Myotis evotis			SC		X2		
M <sub>.</sub>	Long-legged myotis	Myotis volans	-	-	SC	<del> </del>	X1		
M	Marysville California kangaroo rat	Dipodomys heermanni eximus		CSC	SC			X	
M	Pacific fisher	Martes pennanti pacifica	-	CSC	SC	<del></del>	X2		
M	Pacific western big-eared bat	Plecotus townsendii townsendii	-	CSC	SC		X1		
М	Pale Townsend's big-eared bat	Plecotus townsendii pallescens	-	CSC	SC	X			
M	Pallid bat	Antrozous pallidus	-	CSC			X1		
M	Red bat	Lasiurus borealis	-	· -	SC	X			
M	San Joaquin pocket mouse	Perognathus inornatus		-	SC	X			
M	Short-nosed kangaroo rat	Dipodomys nitratoides brevinasus	-	CSC	SC		X2		
M	Silver-haired bat	Lasionycteris noctivagans	-	CSC	-		X1		
M	Small-footed myotis	Myotis ciliolabrum	-	· -	SC	•	X2		
M	Spotted bat	Euderma maculatum	_	CSC	SC		X2		

							ntial Effects of Actions on Spec	
Type <sup>1</sup>	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species
			Federal	State	Other			
M	Tulare grasshopper mouse	Onychomys torridus tularensis	-	-	SC		1	
M	Yuma myotis	Myotis yumanensis	-		SC	X		
В	Alameda song sparrow	Melospiza melodia pusillula	-	- CSC	SC		X2	
В	American white pelican	Pelecanus erythrorhynchos	-	CSC	SC	X		
В	Bell's sage sparrow	Amphispiza belli belli	-	CSC	SC		X2	
В	Belted kingfisher	Ceryle alcyon	-	-	SC	X		
В	California horned lark	Eremophila alpestris actia	-	-	SC	X		
В	California spotted owl	Strix occidentalis occidentalis	-	CSC	SC		X2	
В	Ferruginous hawk	Buteo regalis	-	CSC	SC		X1	r
В	Harlequin duck	Histrionicus bistrionicus	-	CSC	SC		X1	
В	Loggerhead shrike	Lanius ludovicianus	-	CSC	-	X		
В	Merlin	Falco columbarius	-	CSC	-		X1	
В	Northern goshawk	Accipiter gentilis	-	-	SC		X1	
В	Oregon vesper sparrow	Pooecetes gramineus affinis	-	-	SC	X		
В	Pacific-slope flycatcher	Empidonax difficilis insulicola	-	-	SC	X	<del>                                     </del>	
В	Prairie falcon	Falco mexicanus	-	CSC	-		X1	
В	Purple martin	Progne subis	-	CSC	-		X1	•
В	Sacramento Valley song sparrow	Melospiza melodia mailliardi	-		SC	X		
В	Sharp-shinned hawk	Accipiter striatus		CSC	-		X1	<del>,</del>
В	Sora	Porzana carolina	-	_	SC	X		
В	Yellow rail	Coturnicops noveboracensis	-	CSC	-		X1	
В	Yellow-headed blackbird	Xanthocephalus xanthocephalus	-	-	SC	X		
R	California horned lizard	Phrynosoma coronatum frontale	-	CSC	SC	X		
R	Silvery legless lizard	Anniella pulchra pulchra	-	CSC	SC		X2	
Α	Cascades frog	Rana cascadae	_	_	SC		X2	
A	Tailed frog	Ascaphus truei	+	CSC	SC		X2	
F	Kern brook lamprey	Lampetra hubbsi		CSC	SC		X2	
F	Pacific lamprey	Lampetra tridentata	-	-	SC	X		X
F	Pit roach	Lavinia symmetricus mitrulus	-	CSC	SC		X2	
F	River lamprey	Lampetra ayresi		CSC			ļ	X

							ntial Effects of Actions on Spec	cies <sup>3</sup>
Type <sup>1</sup>	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species
			Federal	State	Other	·		
F	San Joaquin roach	Lavinia symmetricus ssp. (San Joaquin)	-	CSC	SC:	:	X2	
I	Amphibious caddisfly	Desmona betbula	-	- '	SC	X		
I	Antioch sphecid wasp	Philanthus nasilis	-	-	SC	X		
I	Antioch Dunes anthicid beetle	Anthicus anthiochensis		-	SC	X		
I	Antioch mutillid wasp	Myrmosula pacifica	-	-	SC	X		
I	Antioch cophuran robberfly	Cophura hurdi		-	SC	X		
I	Antioch efferian robberfly	Efferia anticohi	-	-	SC	X.		
I	Antioch andrenid bee	Perdita scitula antiochensis	-	-	SC	X	i .	
I	Bohan's blue butterfly	Philotiella speciosa bohartorum	-	-	SC	X		
I	Bridges' Coast Range shoulderband snail	Helminthoglypta nickliniana bridgesi	-	-	SC		X2	
I	California linderiella	Linderiella occidentalis	-	-	SC	X	·	
I	Ciervo aegialian scarab beetle	Aegialia concinna	-	-	SC	X		
I	Curved-foot hygrotus diving beetle	Hygrotus curvipes	-	-	SC	X		
I	Globose dune beetle	Coelus globosus	-	-	SC	X		
I	Gold Rush hanging fly	Orbittacus obscurus	-	-	SC	X		
I	Ground beetle (no common name)	Scaphinotus behrensi	-	-	SC	X	·	
I	Hurd's metapogon robberfly	Metapogon hurdi	- "	-	SC	X		
I	Leech's skyline diving beetle	Hydroporus leechi	-	-	SC			X
I	Marin elfin butterfly	Incisalia mossii		-	SC		X2	
I.	Merced Canyon shoulderband snail	Helminthoglypta allynsmithi	-	-	SC	X		
I	Middlekauf's shieldback katydid	Idiostatus middlekaufi	-		SC	X		
I	Moestan blister beetle	Lytta moesta	-	-	SC	X		
I	Morrison's blister beetle	Lytta morrisoni	-	-	SC	X		
I	Opler's longhorn moth	Adela oplerella	-	-	SC		X2	
I	Redheaded sphecid wasp	Eucerceris ruficeps	-	-	SC	X		

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	· ·		Federal	State	Other				
I	Ricksecker's water scavenger beetle	Hydrochara rickseckeri	-		SC	X			
. I	Sacramento anthicid beetle	Anthicus sacramento	-	-	SC	X			
Ï	Sacramento Valley tiger beetle	Cicindela birticollis abrupta	-		SC	X			
I	San Joaquin tiger beetle	Cicindela tranquebarica ssp	-	-	SC	X			
Ī	San Joaquin dune beetle	Coelus gracilis	-	-	SC	X			
I	Sandy beach tiger beetle	Cicindela hirticollis gravida	-	-	SC	X			
I	Williams' bronze shoulderband snail	Helminthoglypta arrosa williamsi	-	-	SC	X			
I	Yellow-banded andrenid bee	Perdita hirticeps luteocincta	-	-	SC	X			
P	Pubescent needlegrass	Achnatherum lemmonii var. pubescens	-	-	3		X2		
P	Jepson's onion	Allium jepsonii	-	-	1B/SC		X2		
P	Forked fiddleneck	Amsinckia vernicosa var. furcata	-	-	SC		X2		
P	Rincon manzanita	Arctostaphylos stanfordiana ssp. decumbens	-	-	1B		X2		
P	Sonoma manzanita	Arctostaphylos canescens ssp. sonomensis	-	-	1B		X2		
P	Nissenan manzanita	Arctostaphylos nissenana	-		1B/SC		X2		
P	Northern spleenwort	Asplenium septentrionale	<u> </u>	-	2		X2		
P	Suksdorf's milkvetch	Astragalus pulsiferae var. suksdorfii	-		1B/SC		X2		
P	Big-scale balsamroot	Balsamorhiza macrolepis var. macrolepis	-	-	1B	X			
P	Western goblin	Botrychium montanum	-	-	2		X2		
P	Mingan moonwort	Botrychium minganense	-	-	2		X2		
P	Upswept moonwort	Botrychium ascendens	-	-	2/SC		X2		
P	Scalloped moonwort	Botrychium crenulatum	-	-	1B/SC	X			
P	Long-haired star-tulip	Calochortus longebarbatus var. longebarbatus	án.	-	1B		X2		
P	Pleasant Valley mariposa lily	Calochortus clavatus var. avius	-	-	1B/SC	•	X2		
P	Hoover's calycadenia	Calycadenia hooveri	-	-	1B/SC	X			
P	Santa Cruz Mtns. pussypaws	Calyptridium parryi var. besseae	-	-	3		X2		

	·					Potential Effects of CALFED Actions on Species <sup>3</sup>		
Type <sup>1</sup>	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species
		<u> </u>	Federal	State	Other			
P	Mt. Saint Helena morning-glory	Calystegia collina ssp. oxyphylla	-	-	SC		X2	
P	Butte County morning-glory	Calystegia atriplicifolia ssp. buttensis	-		3/SC		X2	
P	Wilkin's harebell	Campanula wilkinsiana	-	-	1B/SC		X2	
P	Dissected-leaf toothwort	Cardamine pachystigma var. dissectifolia	-	-	3		X2	
P	Shore sedge	Carex limosa	-	-	2		X2	
P	Fox sedge	Carex vulpinoidea	-		2	X		
P	Pointed broom sedge	Carex scoparia	-	-	2		X2 .	
P	Slender sedge	Carex lasiocarpa	-	-	2	X		
P	Sonoma ceanothus	Ceanothus sonomensis	-	-	1B/SC	,	X2	
P	Calistoga ceanothus	Ceanothus divergens	-	-	1B/SC	72.01	X2	
P	Rincon Ridge ceanothus	Ceanothus confusus	-	-	1B/SC		X2	
P	Red Hills soaproot	Chlorogalum grandiflorum	-	-	1B/SC		X2	
P	San Benito spineflower	Chorizanthe biloba var. immemora	-	-	1B		X2	
P	Mt. Hamilton thistle	Cirsium fontinale vas. campylon	-	-	1B/SC	X		
P	Mosquin's clarkia	Clarkia mosquinii	-	_	1B	X		
P	Enterprise clarkia	Clarkia mosquinii ssp. xerophila	-	. –	1B/SC		X2	
P	Small's southern clarkia	Clarkia australis	-	-	1B	*	. X2	
P	Santa Clara red ribbons	Clarkia concinna ssp. automixa	-		1B/SC	X		
P	White-stemmed clarkia	Clarkia gracilis ssp. albicaulis		-	1B	w.=.	X2	
P	Talus collomia	Collomia larsenii	-	-	2 .		X2	***************************************
P	Serpentine cryptantha	Cryptantha clevelandii var. dissita	-	-	1B		X2	
P	Clustered lady's-slipper	Cypripedium fasciculatum	-	-	SC		X2	
P	Western leatherwood	Dirca occidentalis	-		1B	X		
P	Dwarf downingia	Downingia pusilla	-		2	X		
P	Golden draba	Draba aureola	-	_	1B	<del>_</del>	X2	
P	English sundew	Drosera anglica	-	_	2		X2	
P	Oregon fireweed	Epilobium oreganum	_		1B/SC	·	X2	
P	Narrow-leaved daisy	Erigeron angustatus		_	1B		X2	
P	Streamside daisy	Erigeron biolettii	-	_	3		X2	
P	Mt. Diablo buckwheat	Eriogonum truncatum	_		1A/SC		X2	

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			Federal	State	Other			
P	Tiburon buckwheat	Eriogonum luteolum var. caninum	-	-	3		X2	
P	Snow Mountain buckwheat	Eriogonum nervulosum		-	1B/SC		X2	
P	Tuolumne fawn lily	Erythronium tuolumnense		-	1B		X2	
P.	Butte County fritillary	Fritillaria eastwoodiae	-	-	1B/SC		X2	
P	Talus fritillary	Fritillaria falcata	-	-	1B/SC	X		
P	Fragrant fritillary	Fritillaria liliacea	<del>-</del>	-	1B/SC		X2	
P	Stinkbells	Fritillaria agrestris	-	-	4	X		
P	Bisbee Peak rush-rose	Helianthemum suffrutescens	-	-	3		X2:	
P	Hayfield tarplant	Hemizonia congesta ssp. leucocephala	-	-	3		X2	•
P	Two-carpellate western flax	Hesperolinon bicarpellatum	-	-	1B/SC	4	X2	
P	Red Bluff dwarf rush	Juncus leiospermus var. leiospermus	-	-	1B		X2	
P	Coulter's goldfields	Lasthenia glabrata ssp. coulteri	_	-	1B	X		
Р	Dubious pea	Lathyrus sulphureus var. argillaceus		-	3		X2	
P	Colusa layia	Layia septentrionalis	-	-	1B		X2	
P	Munz's tidy-tips	Layia munzii	-	-	1B	X		
P	Rayless layia	Layia discoidea	-	-	1B		X2	
P	Woolly-headed lessingia	Lessingia hololeuca	-	-	3		X2	
P	Stebbins' lewisia	Lewisia stebbinsii		-	1B/SC		X2	
P	Howell's lewisia	Lewisia cotyledon	-	-	3		X2	
Р .	Cantelow's lewisia	Lewisia cantelovii	-		1B		X2	
P	Woolly meadowfoam	Limnanthes floccosa ssp. floccosa		-	2		X2	
Р	Madera linanthus	Linanthus serrulatus	-	-	1B	X		
P ·	Cobb Mountain lupine	Lupinus sericatus	<del> </del>	_	1B	<del></del>	X2	<del></del>
p	Anthony Peak lupine	Lupinus antoninus	-		1B/SC		X2:	· · · · · · · · · · · · · · · · · · ·
P	Quincy lupine	Lupinus dalesiae	_		1B	•	X2	
P	Stebbins' madia	Madia stebbinsii	-	-	1B/SC		X2	
P	Niles madia	Madia doris-nilesiae	_	-	1B		X2	
P	Hall's madia	Madia hallii	-	-	1B/SC		X2	
P	Indian Valley bush mallow	Malacothamnus aboriginum			1B		X2	
P	Nelson's pepperwort	Marsilea oligospora	_	_	3	X		

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Туре¹	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species
			Federal	State	Other	***************************************		
P	Serpentine monkeyflower	Mimulus brachiatus	-	-	3		X2	
P	The Lassics sandwort	Minuartia decumbens	-	-	1B/SC		X2	
P	Merced monardella	Monardella leucocephala	-	-	1A/SC	····	X2	
P	Veiny monardella	Monardella douglasii ssp. venosa	-	-	1B/SC		X2	
P	Robust monardella	Monardella villosa ssp. globosa	-	-	1B		X2	·
P	Little mousetail	Myosurus minimus ssp. apus	-	-	3/SC	X	1	,
P	Marin County navarretia	Navarretia rosulata	-	÷	1B		X2	
P	Baker's navarretia	Navarretia leucocephala ssp. bakeri	-	-	1B	X		
P	Shining navarretia	Navarretia nigelliformis ssp. radians		-	1B	X		
P	Sonoma beardtongue	Penstemon newberryi vat. sonomensis	-	-	IΒ		X2	<u> </u>
P	Closed-throated beardtongue	Penstemon personatus	-	-	1B/SC		X2	
P	Gairdner's yampah	Perideridia gairdneri ssp. gairdneri	-	-	SC		X2	
P	Stebbins' phacelia	Phacelia stebbinsii	-	-	1B/SC		X2	
P	Moss phlox	Phlox muscoides	-	-	2		X2	
P	Engelmann spruce	Picea engelmannii	-	-	2		X2	
P	Horned butterwort	Pinguicula vulgaris	-	-	2		X2	*
P	Hooked popcomflower	Plagiobothrys uncinatus	-	-	1B/SC	X		
P	Petaluma popcornflower	Plagiobothrys mollis var. vestitus	-	-	1A		X2	
P	Bearded popcornflower	Plagiobothrys hystriculus	*	-	1A		X2	
P	Hairless popcornflower	Plagiobothrys glaber	-	-	1A	<del></del>	X2	
P	California sycamore	Platanus racemosa	-	-	SC	X		
P	Douglas' pogogyne	Pogogyne douglasii ssp. parviflora	-	1	3	X		
P	Slender-leaved pondweed	Potamogeton filiformis	-	-	2	X		
P	Nuttall's pondweed	Potamogeton epihydrus ssp nuttallii	-		2		X2	
P	White-stemmed pondweed	Potamogeton praelongus	- '	-	2	X		
P	Sticky pyrrocoma	Pyrrocoma lucida	-	_	.1B		X2	
P	Hall's rupertia	Rupertia hallii	-	-	1B		X2	
P	Tracy's sanicle	Sanicula tracyi	-	-	1B/SC		X2	4,
P	American scheuchzeria	Scheuchzeria palustris var.	-	-	2	X		····

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Type <sup>1</sup>	Common Name	Scientific Name		Status <sup>2</sup>		May be Affected	Not Likely to be Affected	Not Enough Information on the Species	
			Federal	State	Other				
P	Water bulrush	Scirpus subterminalis	-	-	2		X2	1	
P	Slender bulrush	Scirpus heterochaetus	-	-	2		X2		
P	Canyon Creek stonecrop	Sedum paradisum-	-	_	1B/SC		X2		
P	Feather River stonecrop	Sedum albomarginatum	-		1B		X2		
P	Cut-leaved ragwort	Senecio eurycephalus var. lewisrosei	-	-	1B		X2		
P	Rayless ragwort	Senecio aphanactis	-	-	2		X2	· · · · · · · · · · · · · · · · · · ·	
P	Sweet marsh ragwort	Senecio hydrophiloides	-	-	3		X2		
Ρ.	Butte County checkerbloom	Sidalcea robusta	-	-	1B/SC		X2		
P	Point Reyes checkerbloom	Sidalcea calycosa ssp. rhizomata	-	-	1B		X2 ·	· · · · · · · · · · · · · · · · · · ·	
P	Western campion	Silene occidentalis ssp. longistipitata	-	-	3/SC		X2		
P	Cascade alpine campion	Silene suksdorfii	-	-	2		X2		
P	Lassen Peak smelowskia	Smelowskia ovalis var. congesta	<del>-</del>	-	1B/SC		X2		
P	Prairie wedge grass	Sphenopholis obtusata	-	-	2		X2		
P	Long-leaved starwort	Stellaria longifolia	-	-	2		X2		
P	Obtuse starwort	Stellaria obtusa	-	-	2		X2		
P	Kruckeberg's jewelflower	Streptanthus morrisonii ssp. kruckebergii	-		1B/SC		X2		
P	Three Peaks jewelflower	Streptanthus morrisonii ssp. elatus	-	-	1B/SC		X2		
P	Freed's jewelflower	Streptanthus brachiatus ssp. boffmanii	-	. <b>-</b>	1B/SC		X2		
P	Socrates mine jewelflower	Streptanthus brachiatus ssp. brachiatus	-	-	1B/SC		X2		
P	Mt. Tamalpais jewelflower	Streptanthus glandulosus ssp. pulchellus	-		1B		X2		
Р	Morrison's jewelflower	Streptanthus morrisonii ssp. morrisonii	-	-	1B/SC	Х	X2		
Ρ .	Wright's trichocoronis	Trichocoronis wrightii var. wrightii	l	-	2	X			
P	Northern daisy	Trimorpha acris var. debilis	-	-	2		X2		
P :	San Francisco owl's-clover	Triphysaria floribunda	-	-	1B		X2		
·P	Caper-fruited tropidocarpum	Tropidocarpum capparideum	-	-	1A/SC		X2		
P	Siskiyou Mtns. huckleberry	Vaccinium coccineum	-	-	3		X2		
P	Woolly violet	Viola tomentosa	-	-	1B		X2		
P	El Dorado County mule ears	Wyethia reticulata	-	-	1B/SC		X2		

Notes:

<sup>1</sup>Type: M = mammal, B = bird, R = reptile, A = amphibian, F = fish, I = invertebrate, P = plant

<sup>2</sup>Status:

State

CSC = California species of special concern

Other

1A = California Native Plant Society List 1A

1B = California Native Plant Society List 1B

2 = California Native Plant Society List 2

3 = California Native Plant Society List 3

SC = Other species of concern identified by CALFED

#### <sup>3</sup>Potential Effects of CALFED Actions on Species

#### May be Affected:

X = species are associated with habitat types or occur at specific locations that may be adversely or beneficially affected by CALFED depending on where CALFED actions would be implemented, or species that are uncommon or transient in the Conservation Strategy focus area and may be affected by CALFED depending on when or where CALFED actions would be implemented.

#### Not Likely to be Affected:

- X1 = CALFED actions do not affect the species because habitat is not limiting and the species is mobile.
- X2 = Species occurs in areas that would not be affected by CALFED actions.

#### Not Enough Information on the Species:

X = Not enough information on the species' biology or distribution to make a determination of effects.

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